

JAN 21 2021

A BILL FOR AN ACT

RELATING TO ELECTRIFICATION OF STATE VEHICLES.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The legislature finds that climate change
2 caused by carbon emissions from burning fossil fuels poses a
3 serious threat to the economic well-being, public health,
4 natural resources, and environment of Hawaii. The potential
5 adverse impacts of climate change include more destructive
6 storms, hotter temperatures, a reduction in the quality and
7 supply of freshwater, a rise in sea levels resulting in the
8 displacement of coastal businesses and residences, damage to
9 marine ecosystems and the natural environment, and an increase
10 in incidents of infectious diseases, asthma, and other human
11 health-related problems.

12 The State has committed to eliminating imported fuels from
13 the electricity and ground transportation sectors, abiding by
14 the Paris Climate Accord's goal to limit the amount of global
15 warming to less than 1.5 degrees Celsius, and achieving net zero
16 carbon emissions for Hawaii by 2045. The legislature finds that
17 meeting the State's clean energy goals and commitments



1 necessitates the rapid transition to zero-emission vehicles that
2 utilize local, renewable energy sources.

3 Zero-emission vehicles, such as electric vehicles, play an
4 integral role in Hawaii's clean energy future. Electric
5 vehicles are much less expensive to power per mile than their
6 gasoline counterparts. By using stored electrical energy,
7 electric vehicles can take advantage of intermittent solar,
8 wind, and other clean energy resources. With the continued
9 growth of an intelligent electricity grid, electric vehicles
10 become an essential component to electricity load and clean
11 energy resource balancing. They also provide clean mobility
12 solutions for Hawaii residents and visitors.

13 The legislature further finds that the State's large motor
14 vehicle fleet is responsible for a significant amount of carbon
15 emissions. Transitioning the State's motor vehicle fleet to
16 zero-emission vehicles would significantly reduce carbon
17 emissions; increase the number of zero-emission vehicles
18 entering the secondary market, making them more affordable to
19 more Hawaii residents; and demonstrate that Hawaii is a leader
20 in clean energy and sustainable transportation.



1 The purpose of this Act is to require that the State of
2 Hawaii's vehicle fleet completely transition away from internal
3 combustion engine vehicles by 2035.

4 SECTION 2. Section 103D-412, Hawaii Revised Statutes, is
5 amended to read as follows:

6 "**§103D-412 Light-duty motor vehicle requirements.** (a)

7 The procurement policy for all agencies purchasing or leasing
8 light-duty motor vehicles shall be to reduce dependence on
9 petroleum for transportation energy.

10 (b) Beginning January 1, 2010, all state and county
11 entities, when purchasing new vehicles, shall seek vehicles with
12 reduced dependence on petroleum-based fuels that meet the needs
13 of the agency. Priority for selecting vehicles shall be as
14 follows:

- 15 (1) Electric or plug-in hybrid electric vehicles and fuel
16 cell electric vehicles;
- 17 (2) Other alternative fuel vehicles;
- 18 (3) Hybrid electric vehicles; and
- 19 (4) Vehicles that are identified by the United States
20 Environmental Protection Agency in its annual "Fuel



1 Economy Leaders" report as being among the top
2 performers for fuel economy in their class.

3 ~~[(c) For the purposes of this section:~~

4 ~~"Agency" means a state agency, office, or department.~~

5 ~~"Alternative fuel" means alcohol fuels, mixtures containing~~
6 ~~eighty five per cent or more by volume of alcohols with gasoline~~
7 ~~or other fuels, natural gas, liquefied petroleum gas, hydrogen,~~
8 ~~biodiesel, mixtures containing twenty per cent or more by volume~~
9 ~~of biodiesel with diesel or other fuels, other fuels derived~~
10 ~~from biological materials, and electricity provided by off board~~
11 ~~energy sources.~~

12 ~~"Covered fleet" has the same meaning as contained in 10~~
13 ~~Code of Federal Regulations Part 490 Subpart C.~~

14 ~~"Excluded vehicles" has the same meaning as provided in 10~~
15 ~~Code of Federal Regulations section 490.3.~~

16 ~~"Fuel cell electric vehicle" means a zero emission electric~~
17 ~~vehicle that uses a fuel cell to convert hydrogen gas and oxygen~~
18 ~~into electricity that is used in a vehicle powertrain for~~
19 ~~propulsion.~~

20 ~~"Light duty motor vehicle" has the same meaning as~~
21 ~~contained in 10 Code of Federal Regulations Part 490, not~~



1 ~~including any vehicle incapable of traveling on highways or any~~
2 ~~vehicle with a gross vehicle weight rating greater than eight~~
3 ~~thousand five hundred pounds.]~~

4 (c) Beginning January 1, 2035, all state and county
5 entities shall only maintain vehicles that do not contain an
6 internal combustion engine.

7 (d) Agencies may apply to the chief procurement officer
8 for exemptions from the requirements of this section to the
9 extent that the vehicles required by this section are not
10 available or do not meet the specific needs of the agency;
11 provided that life cycle vehicle and fuel costs may be included
12 in the determination of whether a particular vehicle meets the
13 needs of the agency. Estimates of future fuel costs shall be
14 based on projections from the United States Energy Information
15 Administration.

16 (e) Vehicles acquired from another state agency and
17 excluded vehicles are exempt from the requirements of this
18 section.

19 (f) Nothing in this section is intended to interfere with
20 the ability of a covered fleet to comply with the vehicle



1 purchase mandates required by 10 Code of Federal Regulations
2 Part 490 Subpart C.

3 (g) For the purposes of this section:

4 "Agency" means a state agency, office, or department.

5 "Alternative fuel" means alcohol fuels, mixtures containing
6 eighty-five per cent or more by volume of alcohols with gasoline
7 or other fuels, natural gas, liquefied petroleum gas, hydrogen,
8 biodiesel, mixtures containing twenty per cent or more by volume
9 of biodiesel with diesel or other fuels, other fuels derived
10 from biological materials, and electricity provided by off-board
11 energy sources.

12 "Covered fleet" has the same meaning as contained in 10
13 Code of Federal Regulations Part 490 Subpart C.

14 "Excluded vehicles" has the same meaning as provided in 10
15 Code of Federal Regulations section 490.3.

16 "Fuel cell electric vehicle" means a zero-emission electric
17 vehicle that uses a fuel cell to convert hydrogen gas and oxygen
18 into electricity that is used in a vehicle powertrain for
19 propulsion.

20 "Light-duty motor vehicle" has the same meaning as
21 contained in 10 Code of Federal Regulations Part 490, not



S.B. NO. 164

1 including any vehicle incapable of traveling on highways or any
2 vehicle with a gross vehicle weight rating greater than eight
3 thousand five hundred pounds."

4 SECTION 3. Statutory material to be repealed is bracketed
5 and stricken. New statutory material is underscored.

6 SECTION 4. This Act shall take effect upon its approval.

7

INTRODUCED BY: 



S.B. NO. 164

Report Title:

State Vehicle Fleet; Internal Combustion Engine Prohibition

Description:

Requires the State to electrify its motor vehicle fleet by 1/1/2035.

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.

